

Typical Product Properties

VFT Series Technical Data Sheet

PROPERTY	TEST METHOD	VALUE						
PHYSICAL								
Thickness, mm	PTP 0023	0.15	0.20	0.25	0.30	0.40		
Tolerance, %		20	20	15	10	10		
Density, kg/m ³	ASTMD 3574-95 Test A	800	550	550	550	550		
ADHESION		METHOD	FRAME/LENS		VALUE			
Bonding, N/inch	180° Peel (see Figure 1)	Stainless Steel	Closed	28	32	43	43	60
			Open	25	27	36	36	44
		PC	Closed	36	43	44	44	60
			Open	28	38	36	40	52
		ABS	Closed	29	37	42	43	48
			Open	24	35	38	36	45
Bonding, kPa	Slow Speed Push Out (see Figure 2)	ASF Coated Glass Stainless Steel	500	600	600	625	640	
	Static Shear	Stainless Steel	>1440	>1440	>1440	>1440	>1440	
	Cleavage	ASF Coated Glass Stainless Steel	>1440	>1440	>1440	>1440	>1440	

LINER & ADHESIVE PROPERTIES			
Standard Color (code)	Black (04)	Liner Material/Color	PET / Clear
Adhesive Type	Acrylic	Liner Thickness, mm	0.012
Liner Color	Clear	Liner Density, kg/m ³	1395

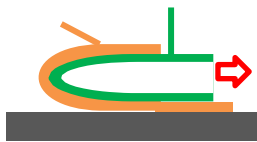


Figure 1: 180°C Peel Test
24 hour dwell time
50 backing
SUS, PC & ABS Substrates
300 mm/min testing speed

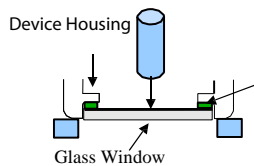


Figure 2: Slow Speed Push Out Test
24 hour dwell time
50 backing
SUS, PC & ABS Substrates
300 mm/min testing speed

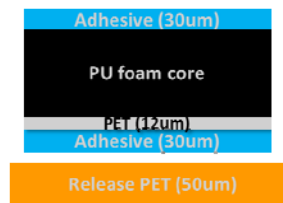
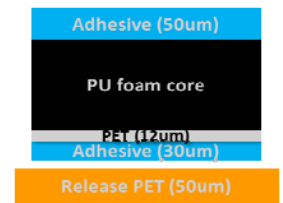


Figure 3: VFT - 015 Construction



**Figure 4: VFT - 020
VFT - 030
VFT - 040 Construction**

Proper Use Information: The release liner side of the VFT material should be adhered to glass or internal housing surface. The adhesive side should be applied to device frame for optimal adhesion and performance.

Notes:

- All metric conversions are approximate.
- Additional technical information is available.
- Typical values should not be used for specification limits.

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